

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED
1 OF 14

07/319778

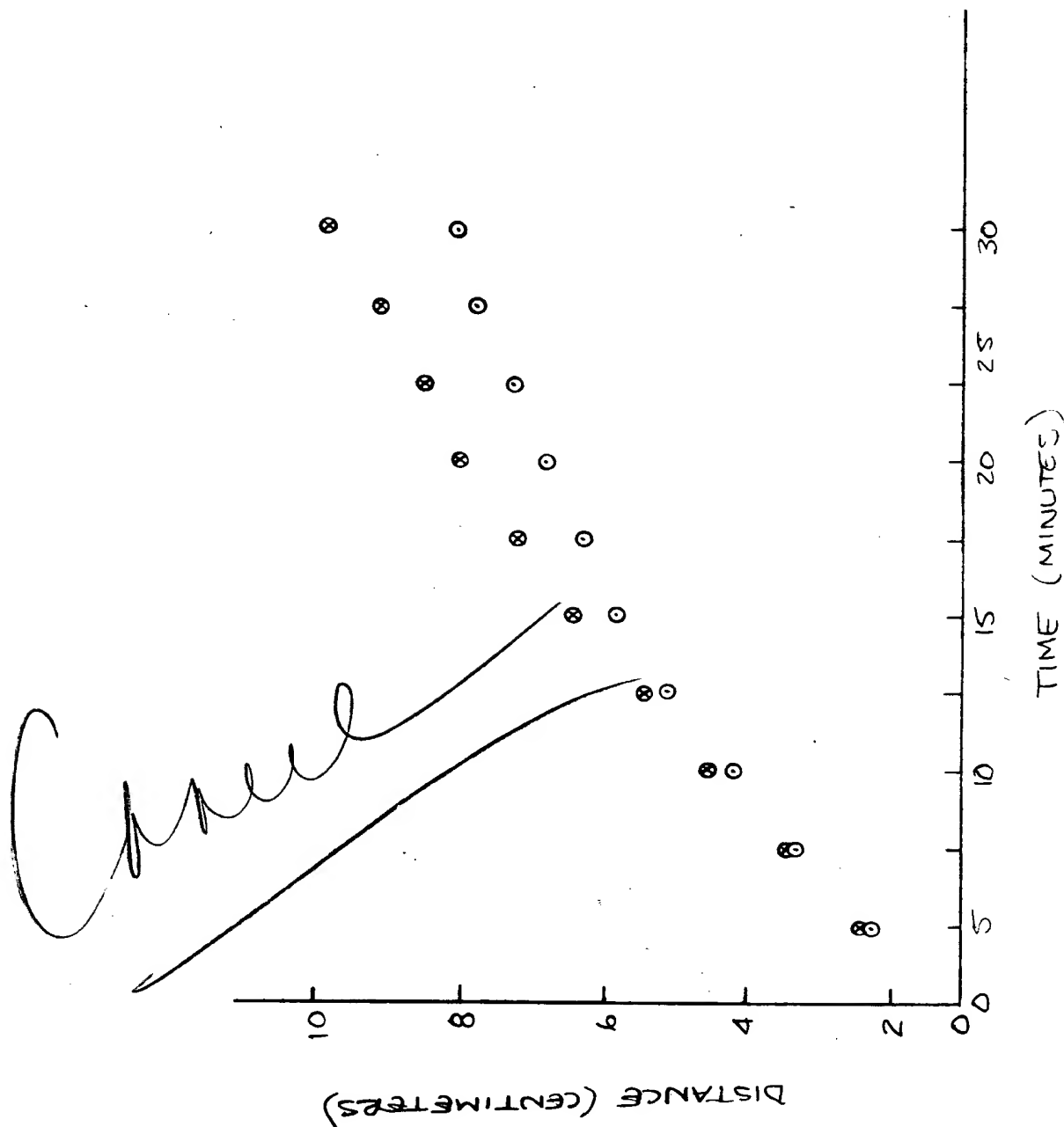


Fig. 1

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WEBS
2 OF 14

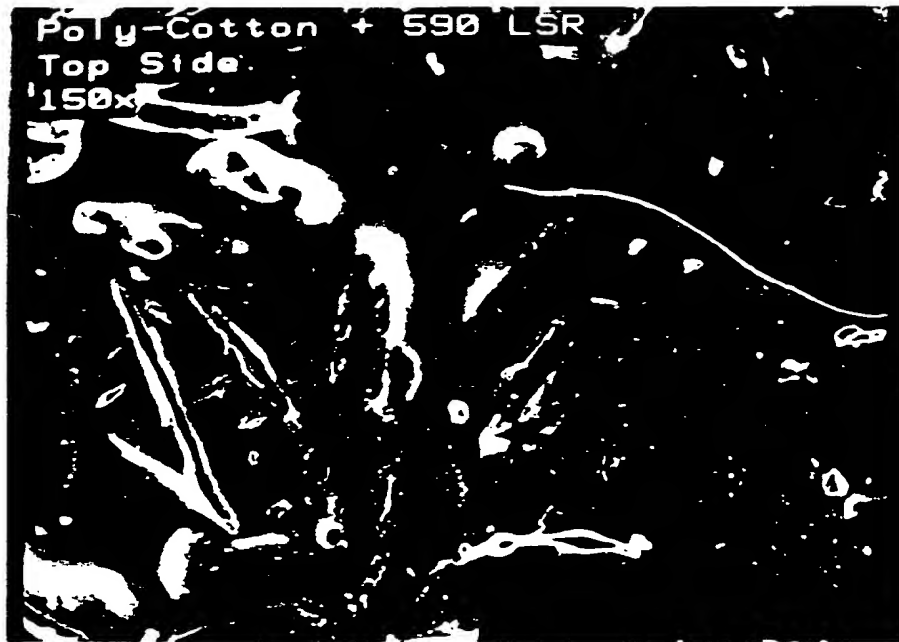


FIG. 2

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WEB
3 OF 14



FIG. 3a

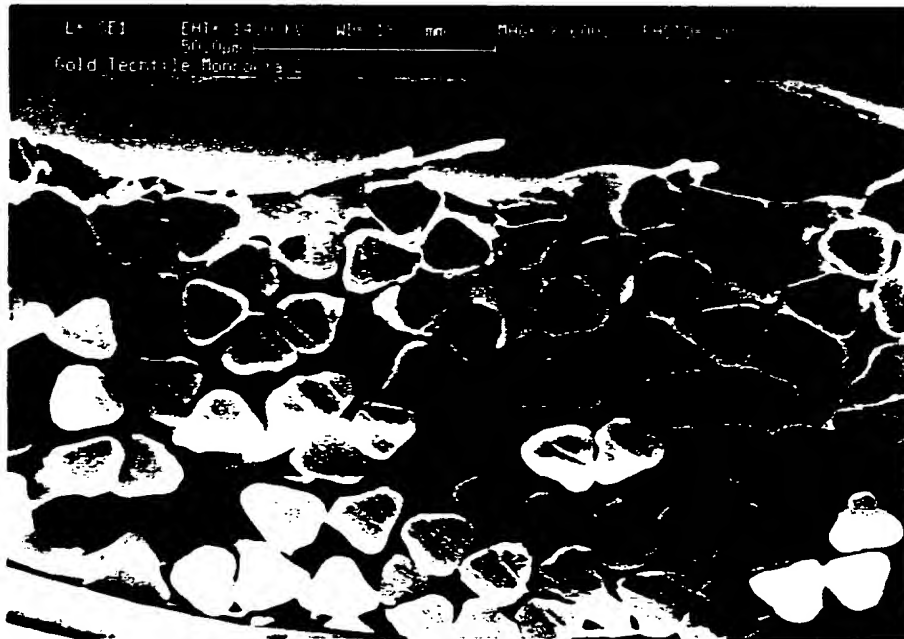


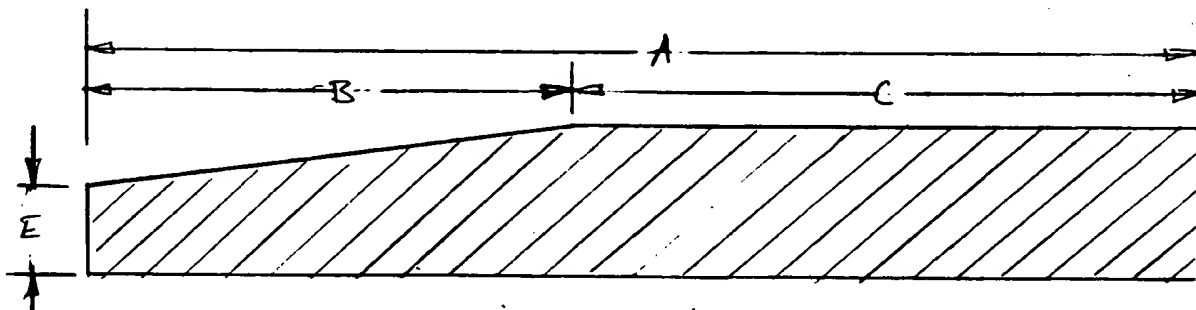
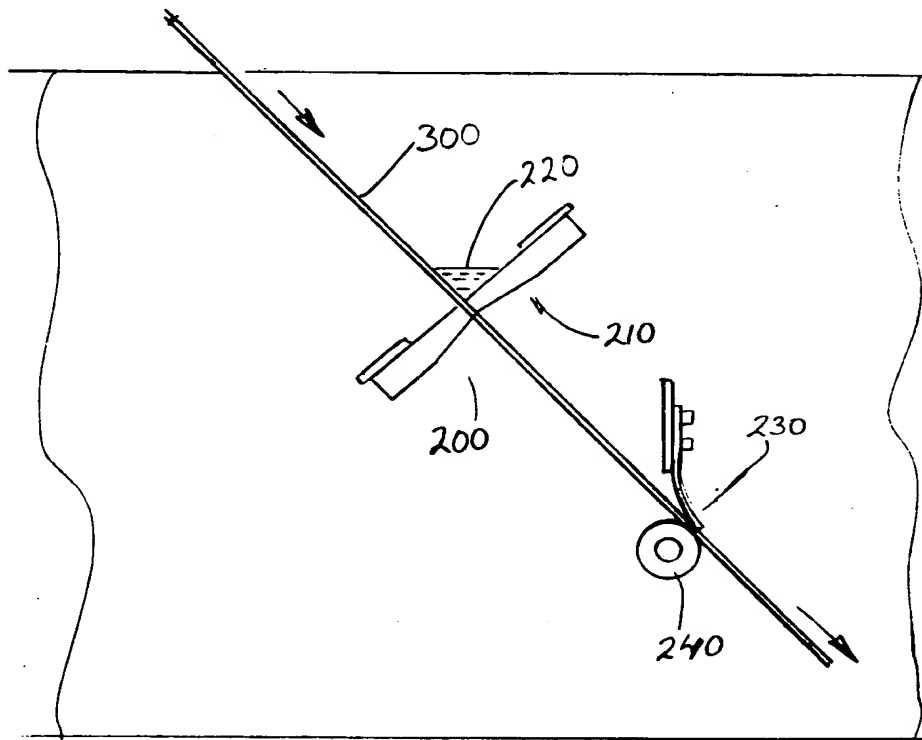
FIG. 3b

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WEBS
4 OF 14



FIG. 3c

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WEBS
5 OF 14



JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED W [REDACTED]
6 OF 4

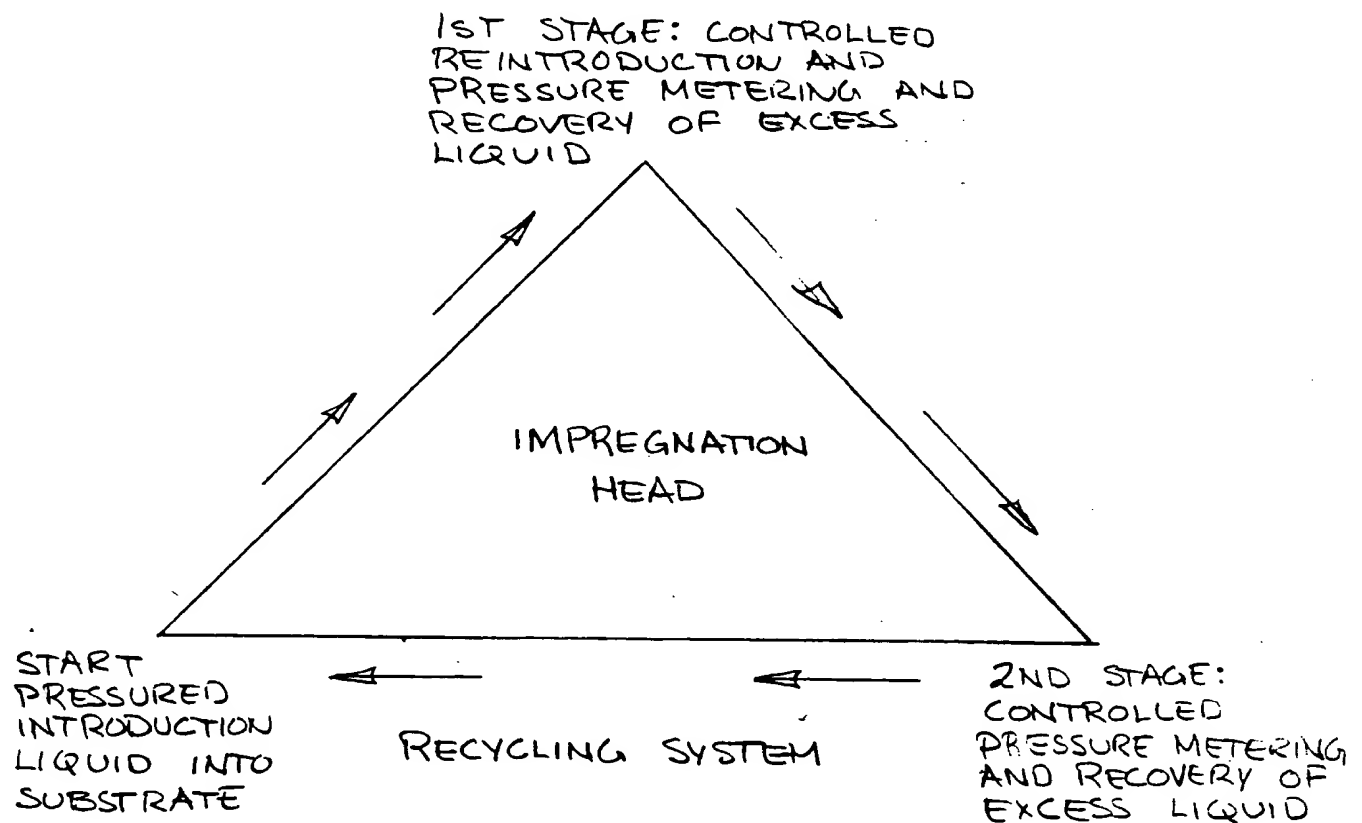


FIG. 5

JAMES MICHAEL CALDWELL
 SILICONE POLYMER INTERNALLY COATED WEB
 7 OF 14

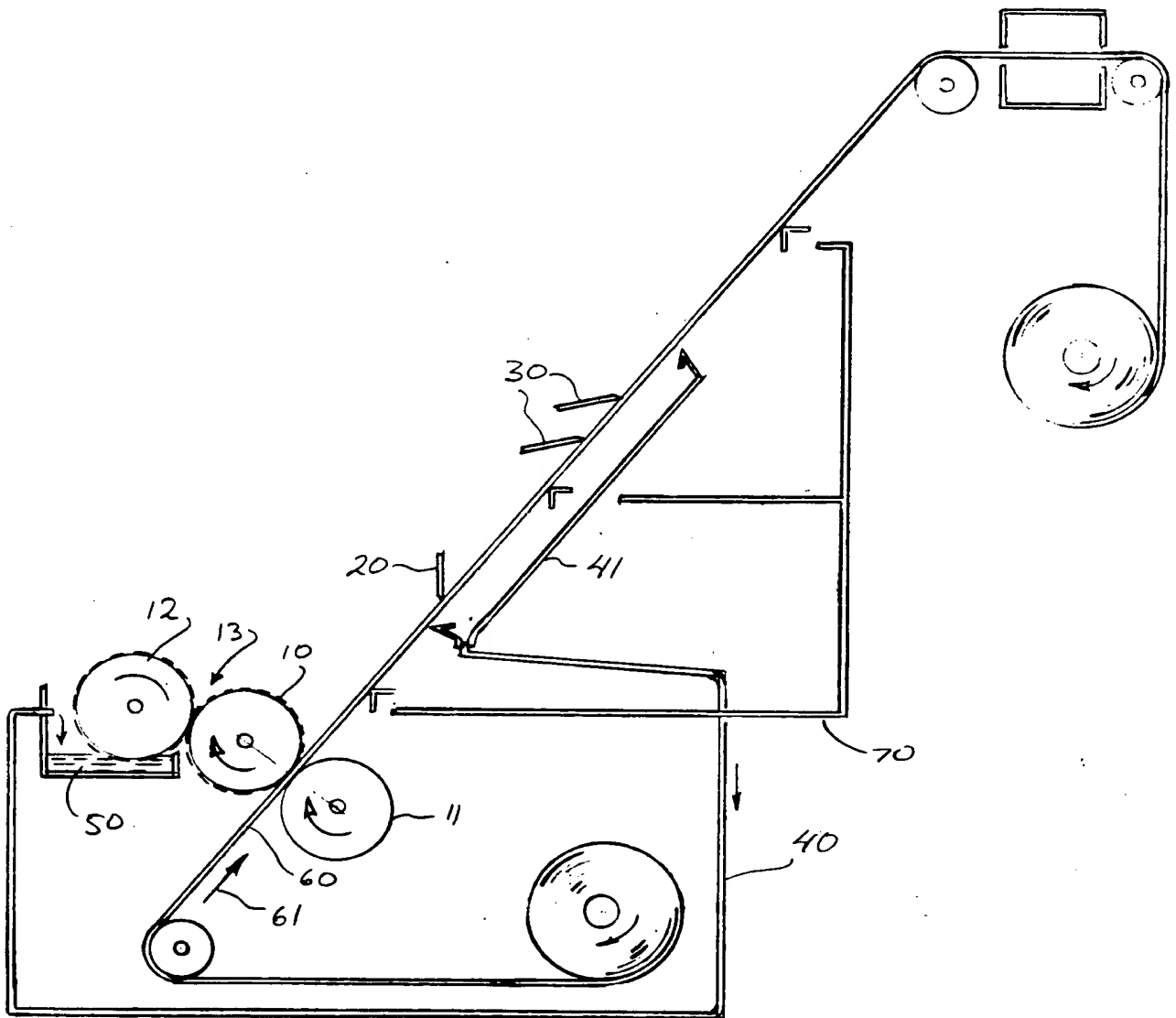


FIG 6

JAMES MICHAEL CALDWELL
SILICON POLYMER INTERNALLY COATED WEB
8 OF 14

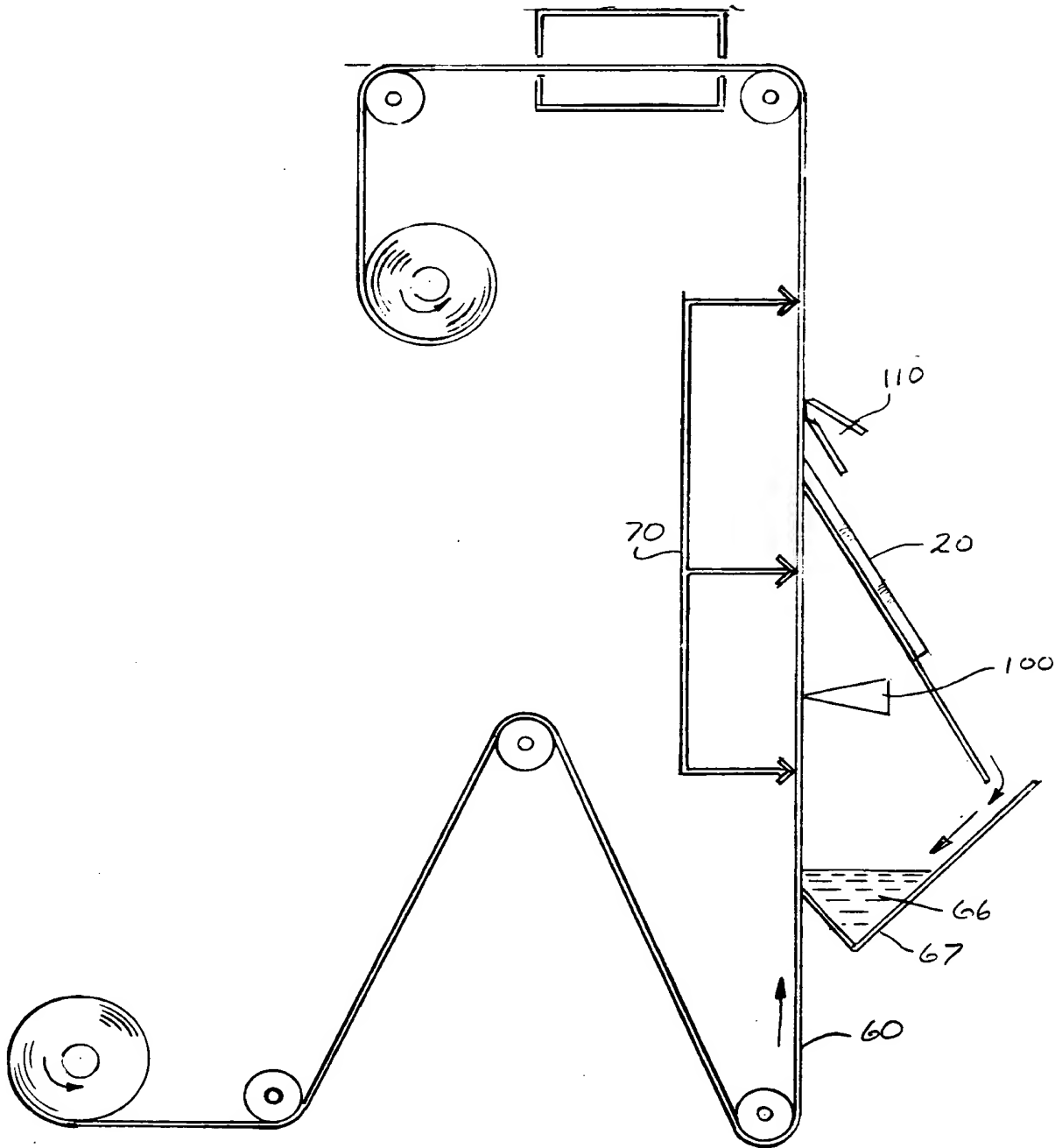


FIG. 7

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WELLS
9 OF 14

FIG. 8a PRIOR ART

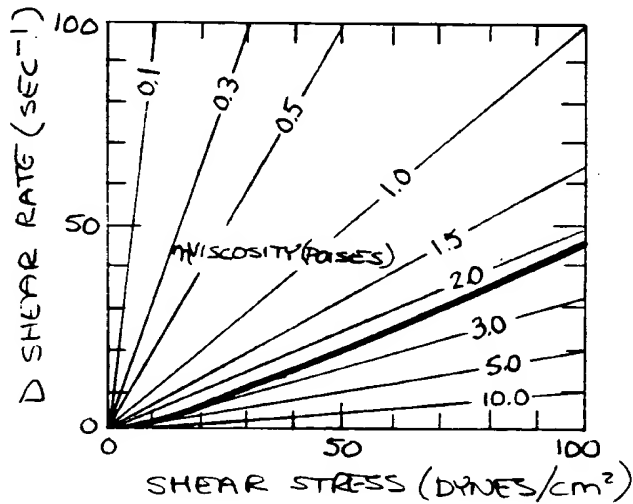


FIG. 8b PRIOR ART

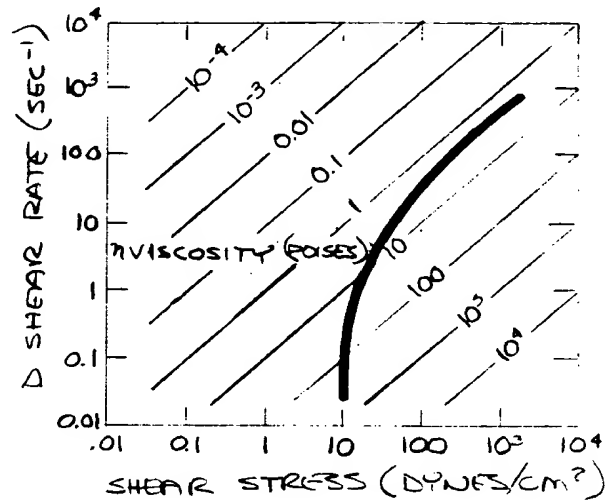


FIG. 8c PRIOR ART

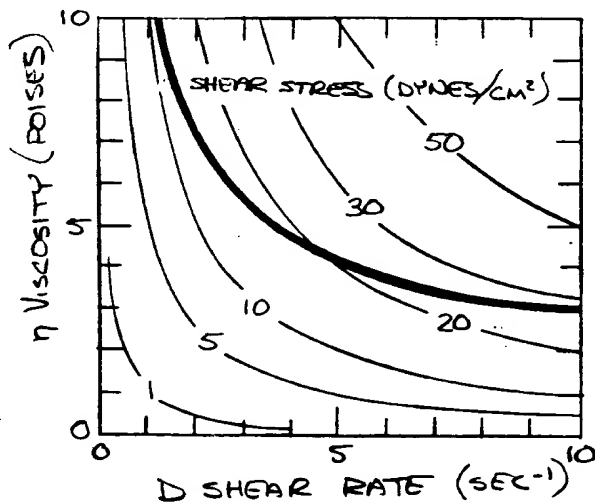


FIG. 8d PRIOR ART

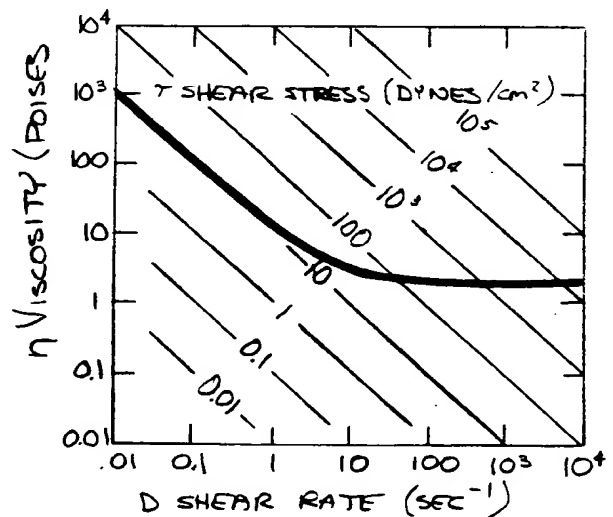


FIG. 9 PRIOR ART

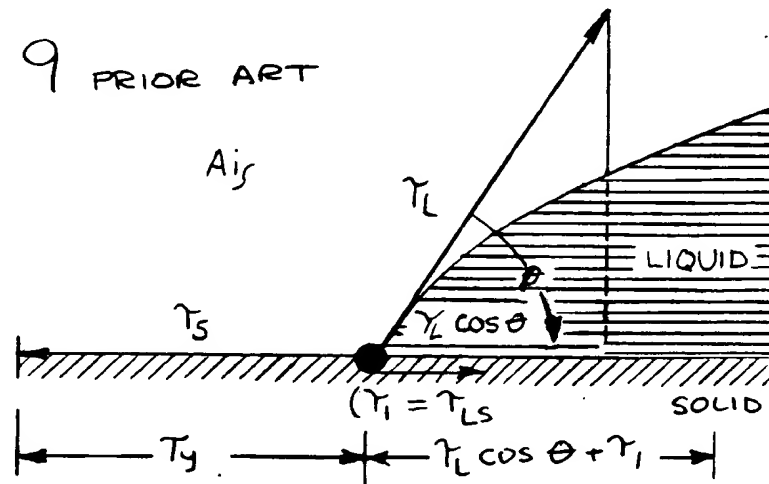
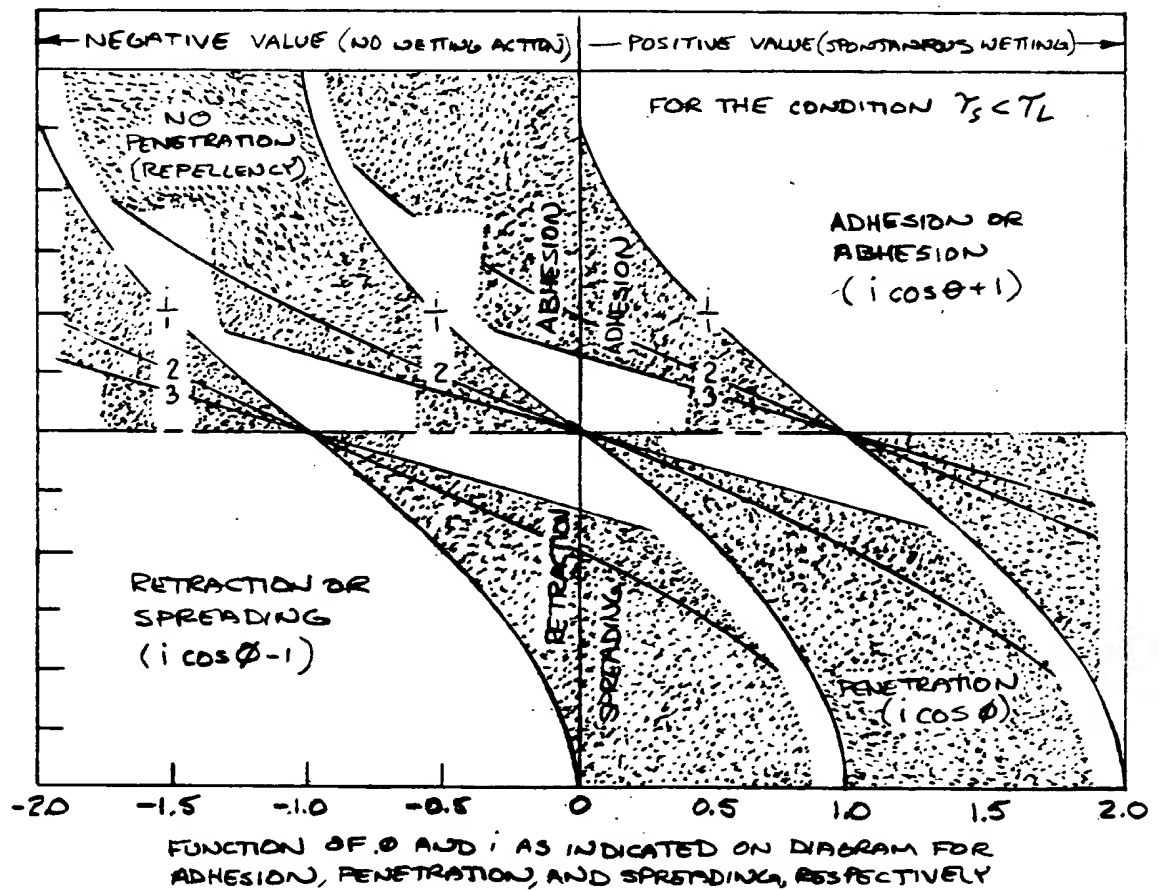


FIG 10 PRIOR ART



JAMES MICHAEL CALDWELL
 SILICATE POLYMER INTERNALLY COATED WEBS
 11 OF 14

FIG 11a PRIOR ART

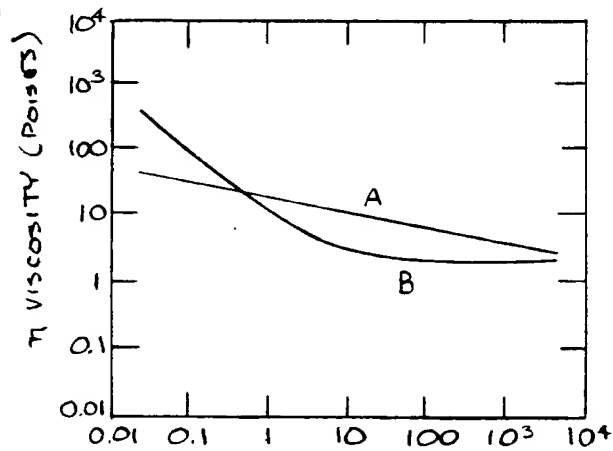
(a) PSEUDOPLASTIC FLOW
D SHEAR RATE (SEC^{-1})

FIG. 11b PRIOR ART

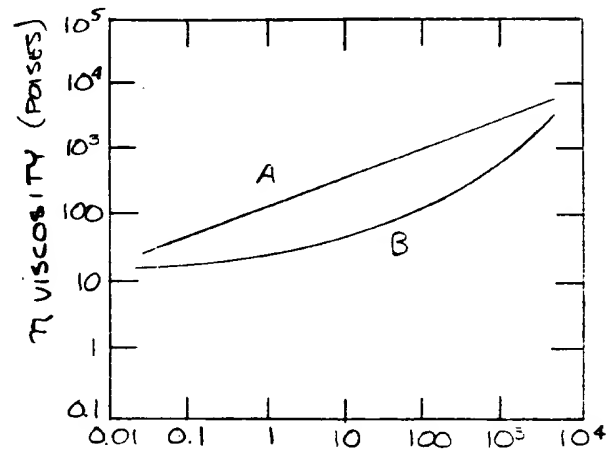
(b) DILATANT FLOW
D SHEAR RATE (SEC^{-1})

FIG 11c PRIOR ART

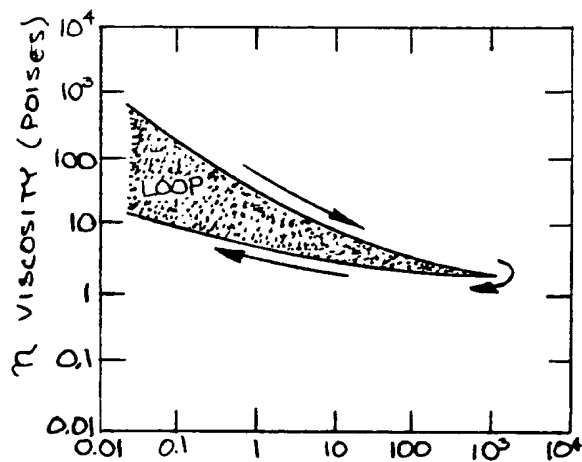
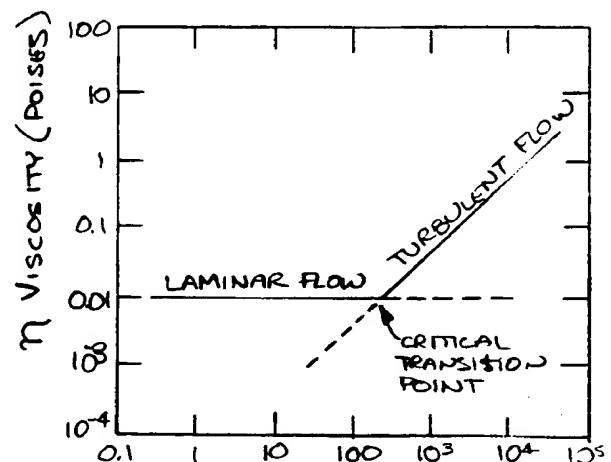
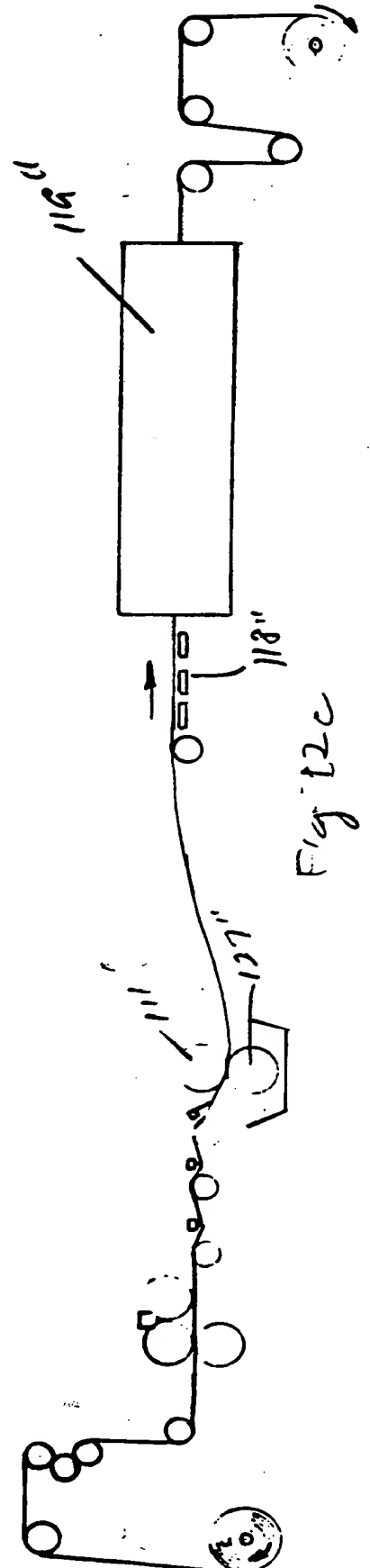
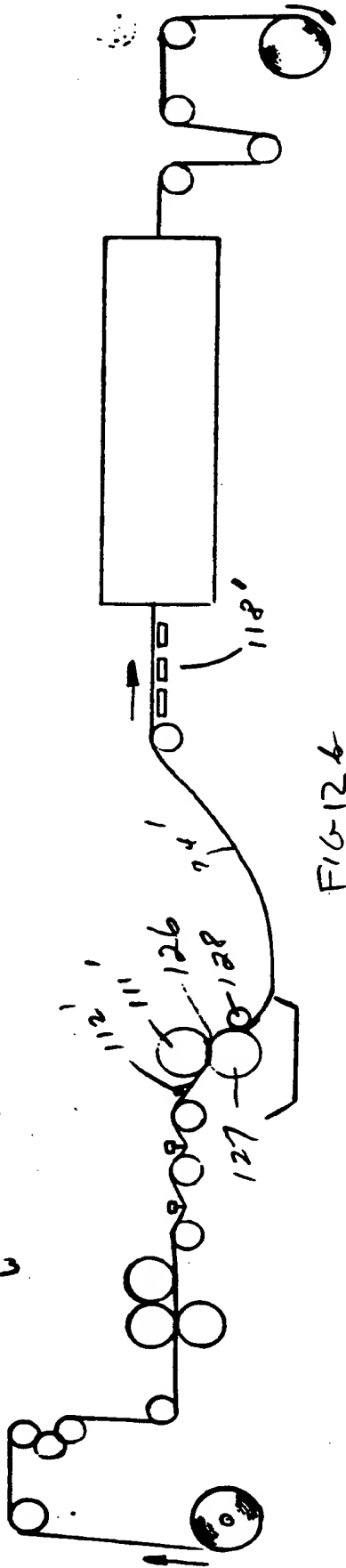
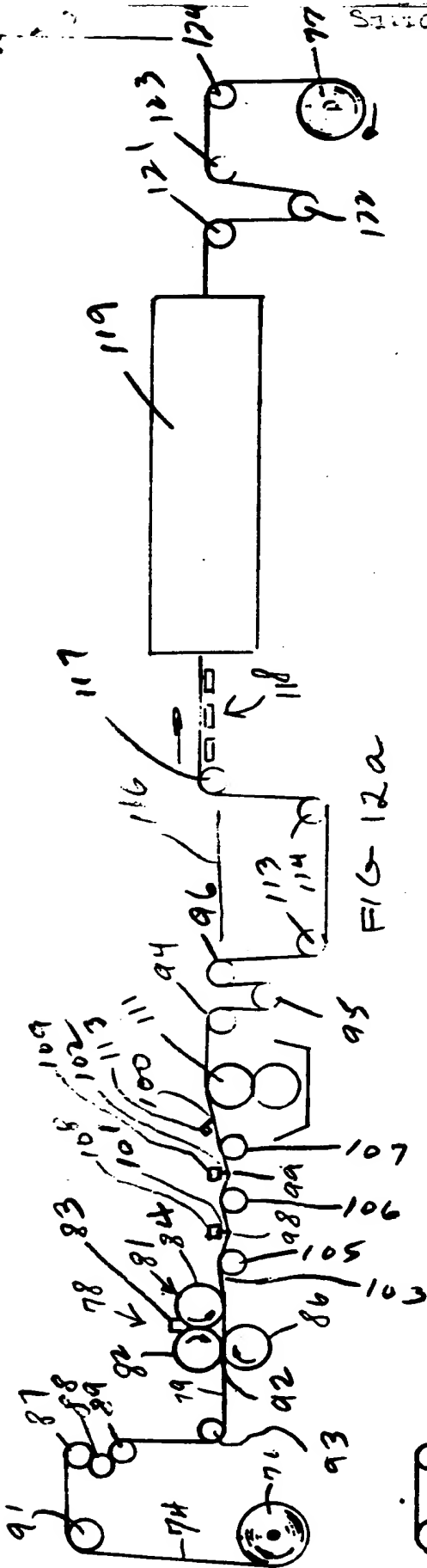
(c) THIXOTROPIC LOOP
D SHEAR RATE (SEC^{-1})

FIG. 11d PRIOR ART

(d) LAMINAR VS. TURBULENT FLOW
D SHEAR RATE (SEC^{-1})



JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WEBS
13 OF 14

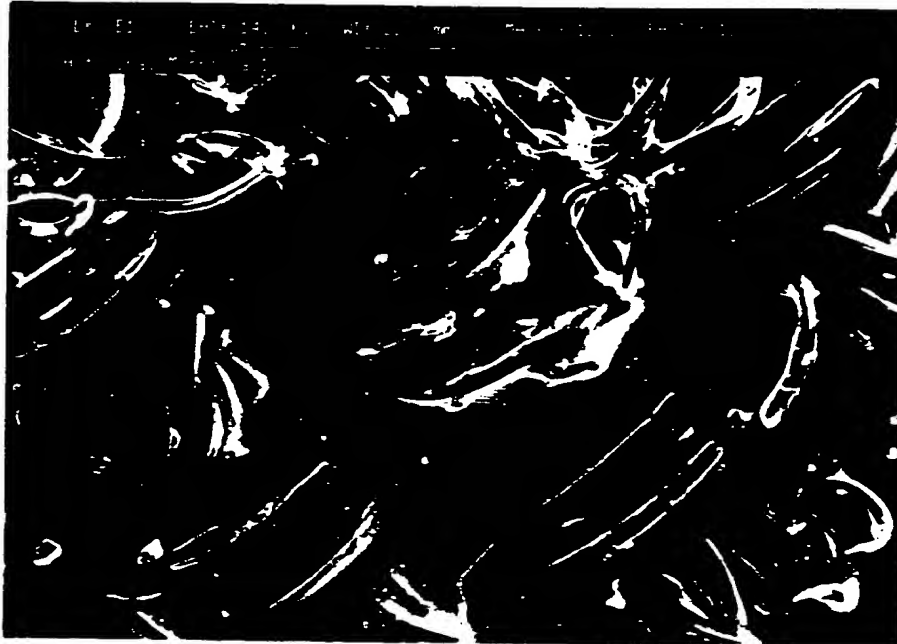


FIG. 13a

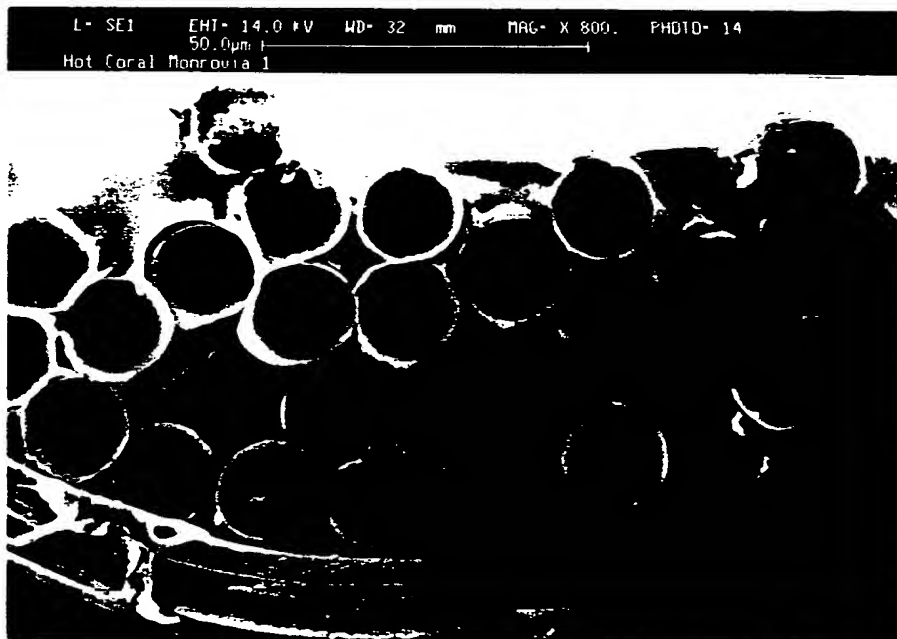


FIG. 13b

822618/10

JAMES MICHAEL CALDWELL
SILICONE POLYMER INTERNALLY COATED WEBS
14 OF 14



Fig. 13c

87/319778